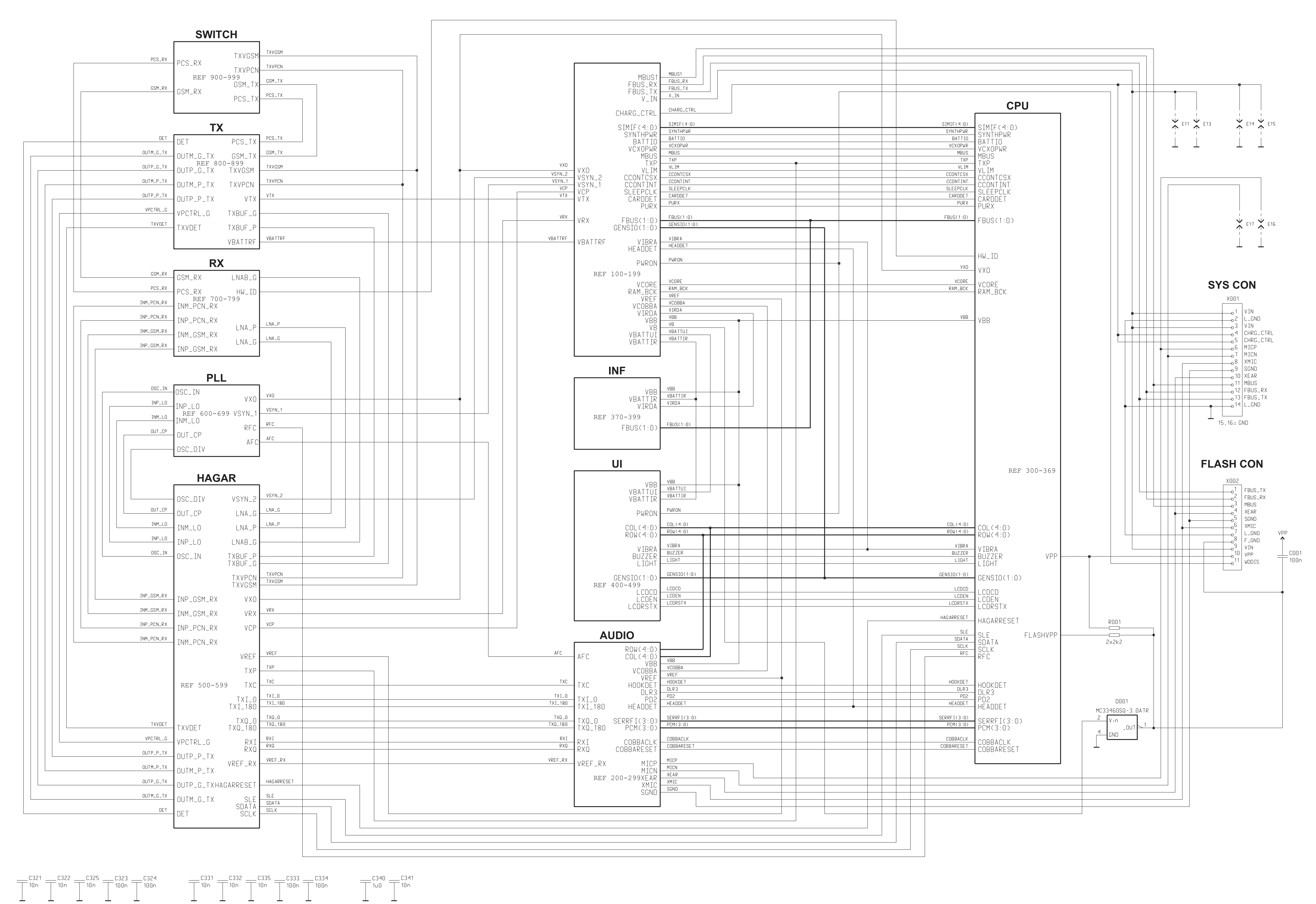
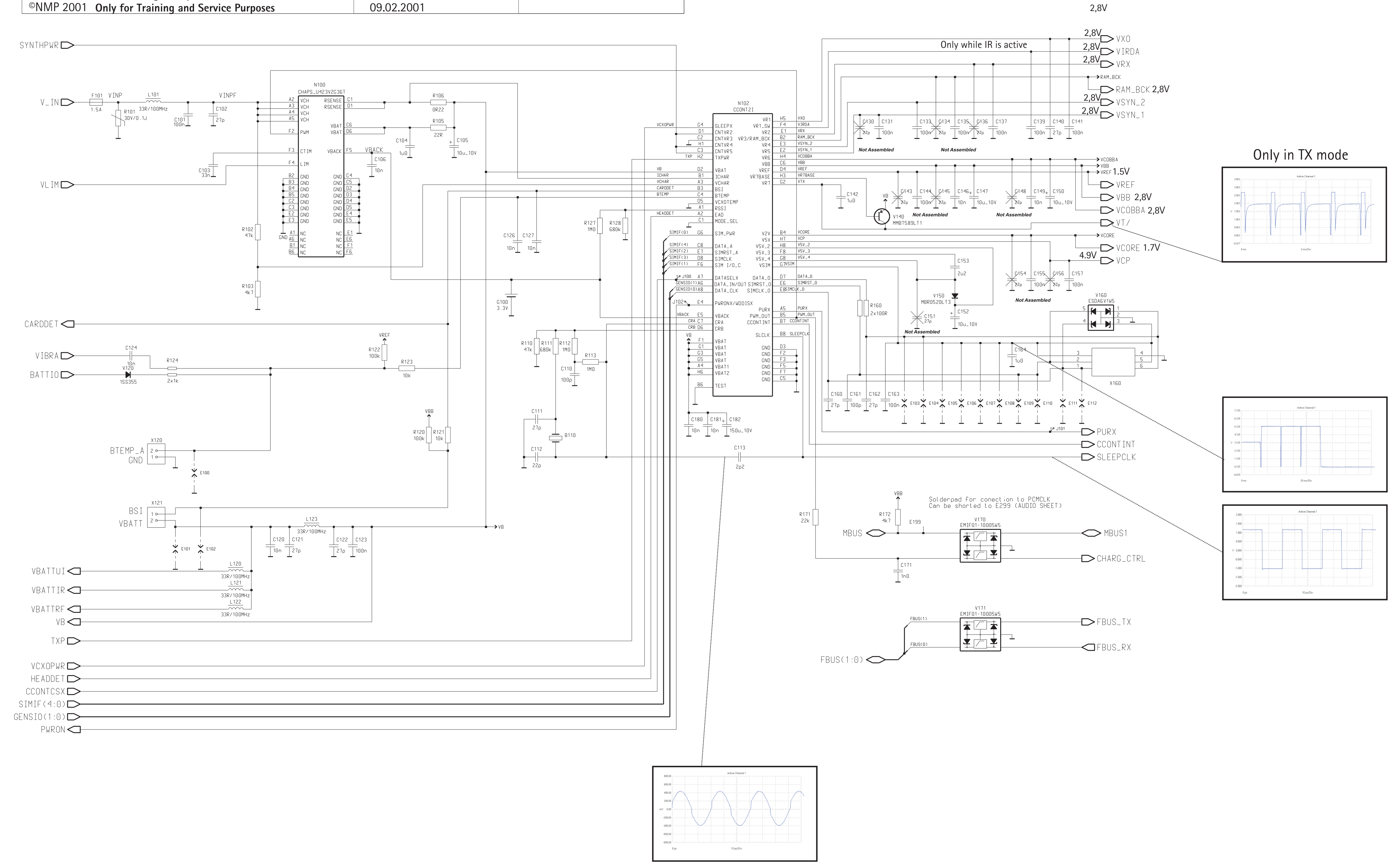
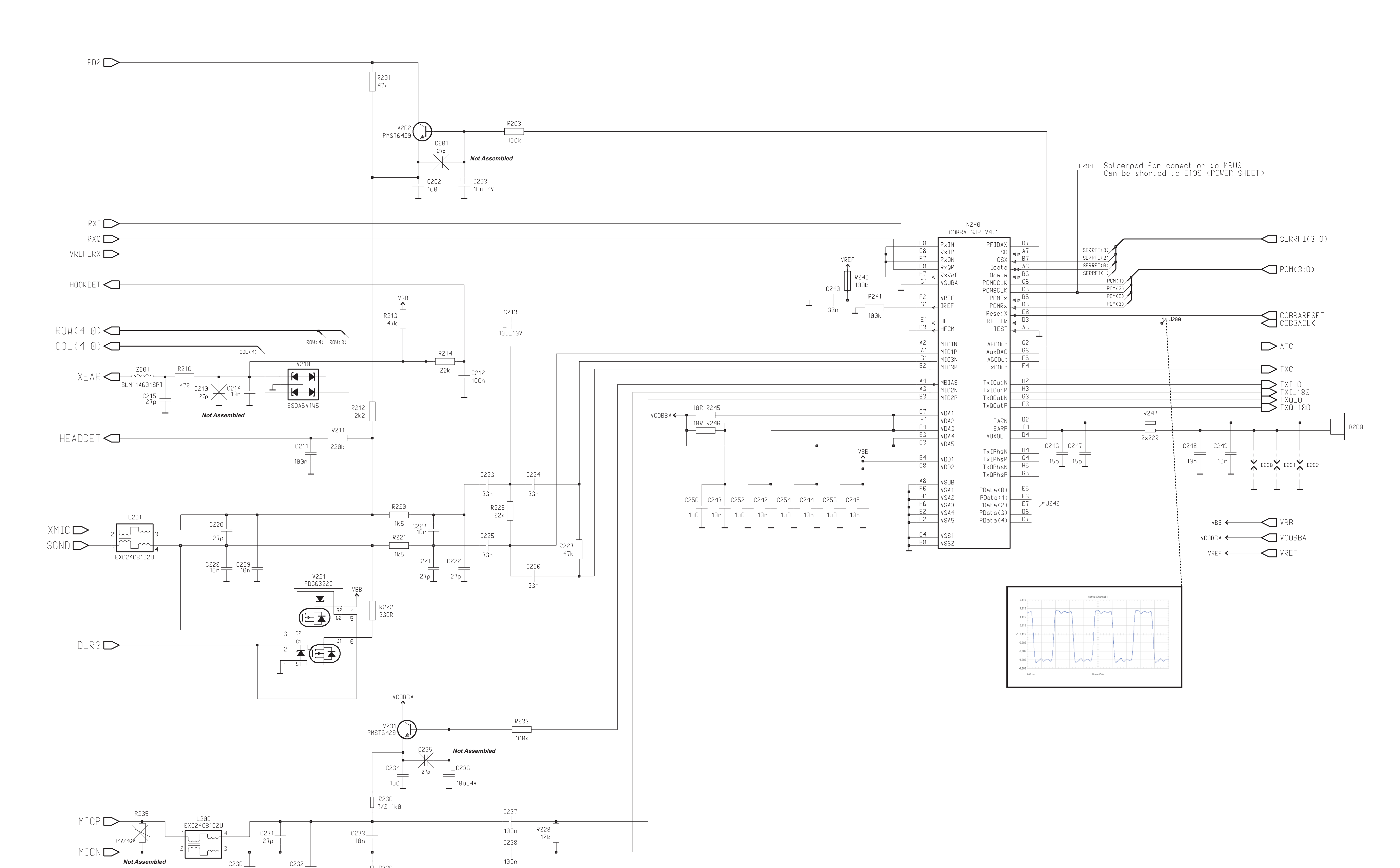


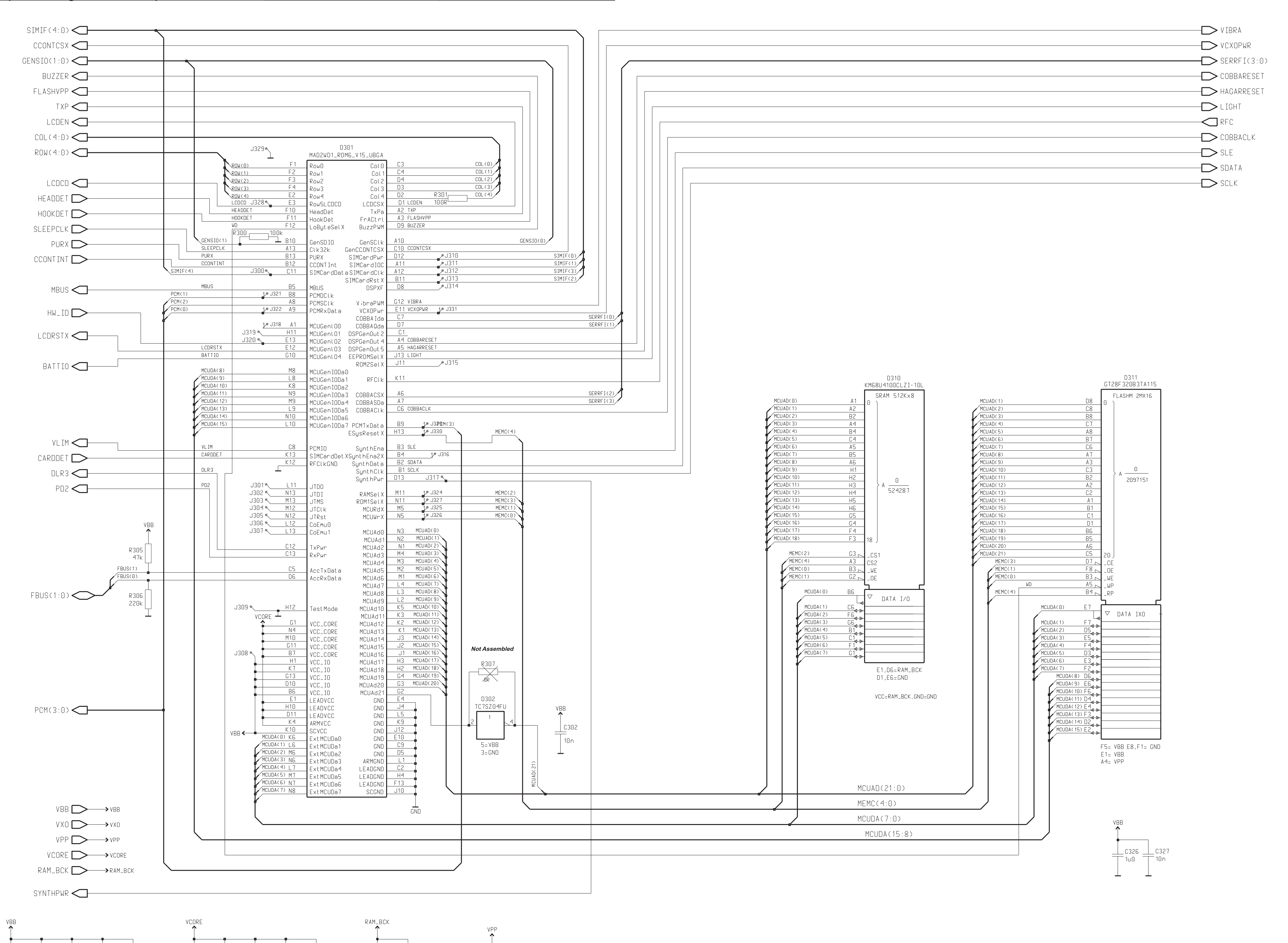
SWITCH
REF 900-999
TX
REF 800-899
RX
REF 700-799
PLL
REF 600-699
HAGAR
REF 500-599
REF 100-199
INF
REF 370-399
UI
REF 400-499
AUDIO
REF 200-299
CPU
REF 300-369
SYS CON
X001
FLASH CON
X002
D001
MC33460SQ-3.0ATR
R001
2x2k2
C001
100n
VPP
15,16= GND

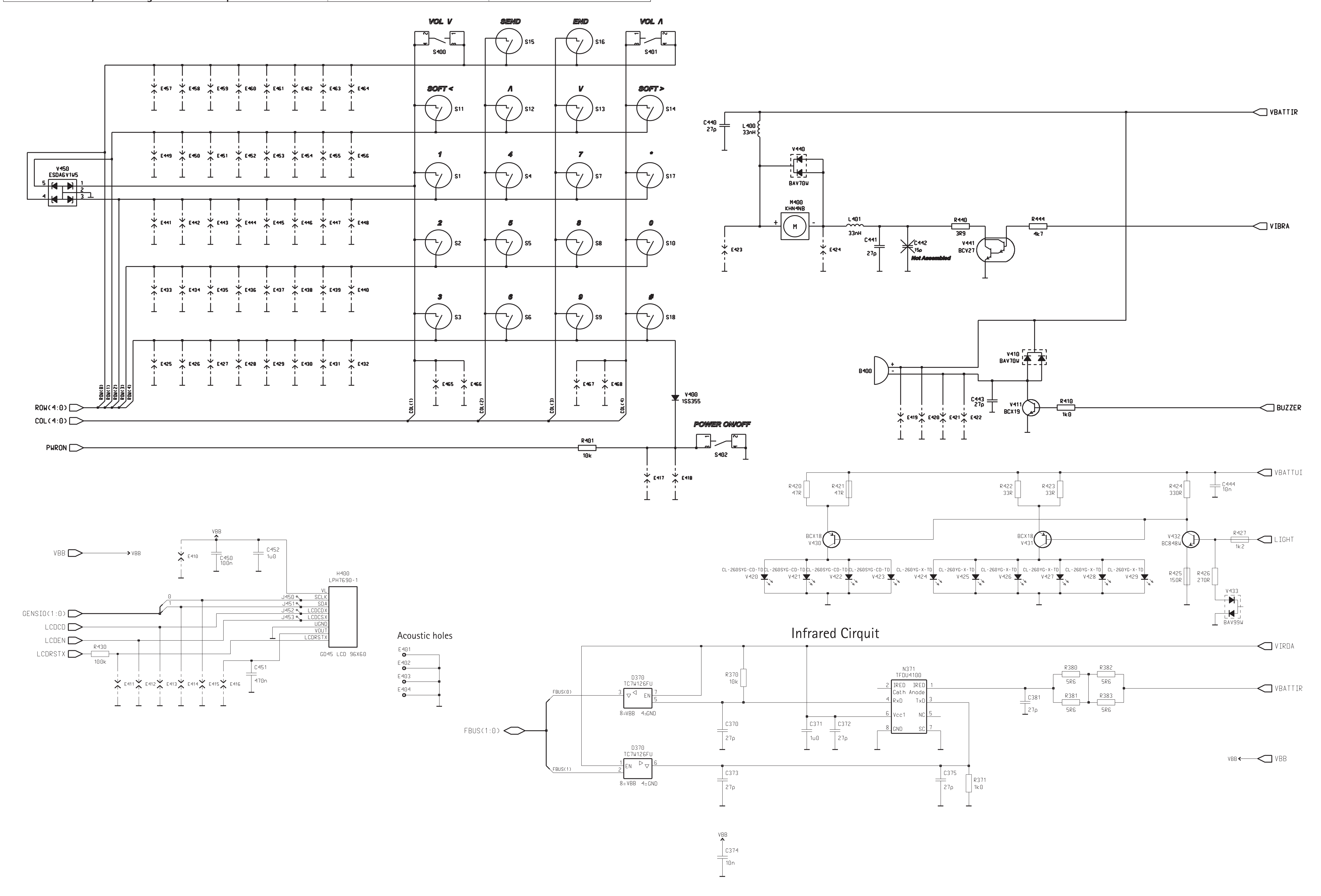
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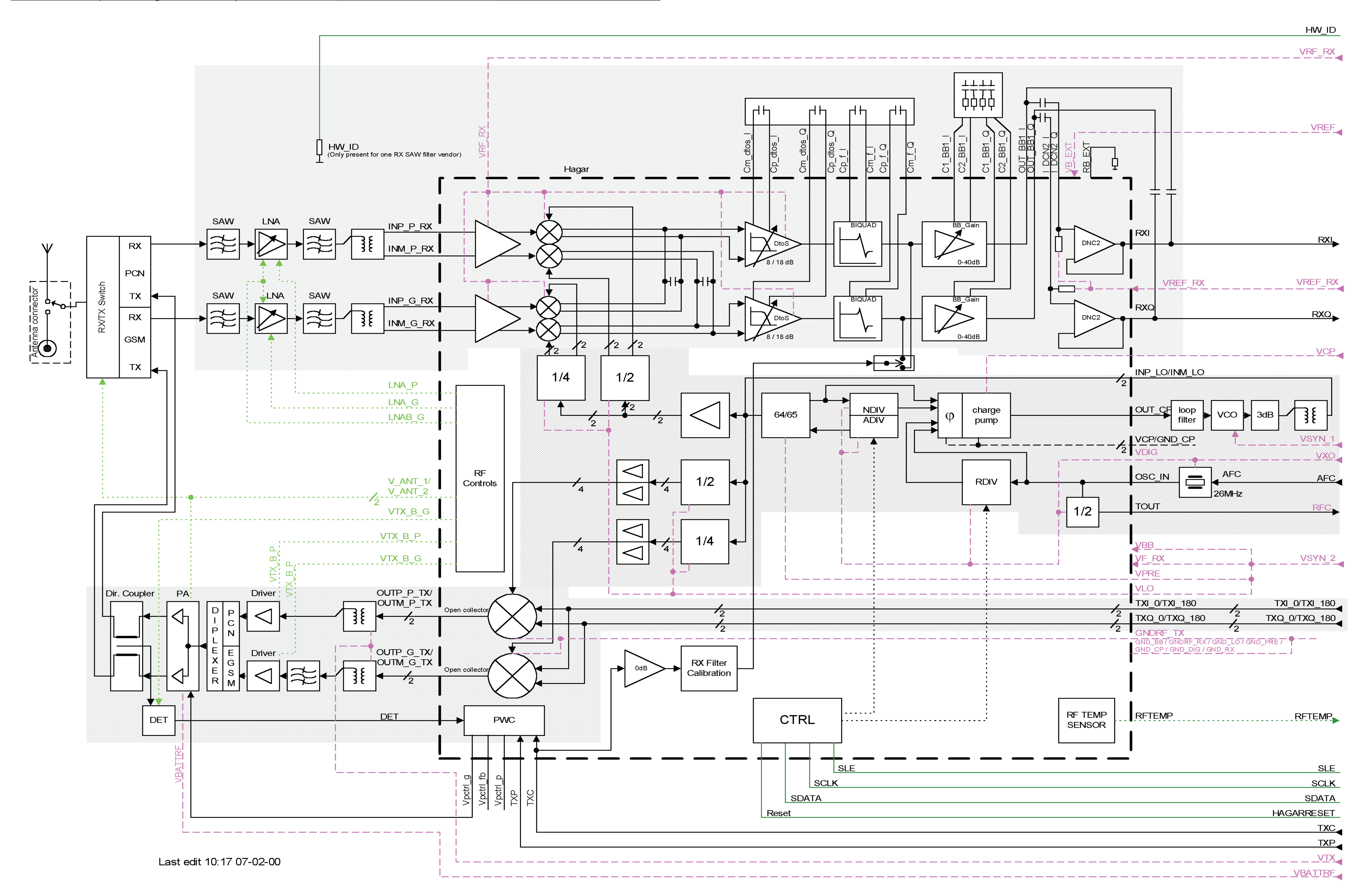
PD2
RXI
RXQ
VREF_RX
HOOKDET
ROW(4:0)
COL(4:0)
XEAR
HEADDET
XMIC
SGND
DLR3
MICP
MICN
N240
COBBA_GJP_V4.1
E299 Solderpad for conection to MBUS
Can be shorted to E199 (POWER SHEET)
SERRFI(3:0)
PCM(3:0)
COBBARESET
COBBACLK
AFC
TXC
TXI_0
TXI_180
TXQ_0
TXQ_180
B200
VBB
VCOBBA
VREF
Not Assembled
Not Assembled
Not Assembled
Not Assembled


SIMIF(4:0)
CCONTCSX
GENSIO(1:0)
BUZZER
FLASHVPP
TXP
LCDEN
COL(4:0)
ROW(4:0)
LCDCD
HEADDET
HOOKDET
SLEEPCLK
PURX
CCONTINT
MBUS
HW_ID
LCDRSTX
BATTIO
VLIM
CARDDET
DLR3
PD2
FBUS(1:0)
PCM(3:0)
VBB
VXO
VPP
VCORE
RAM_BCK
SYNTHPWR
VIBRA
VCXOPWR
SERRFI(3:0)
COBBARESET
HAGARRESET
LIGHT
RFC
COBBACLK
SLE
SDATA
SCLK
D301
MAD2WD1_ROM6_V15_UBGA
D310
KM68U4100CLZI-10L
SRAM 512Kx8
D311
GT28F320B3TA115
FLASHM 2MX16
DATA I/O
DATA IXO
Not Assembled
R307
D302
TC7SZ04FU
5=VBB
3=GND
E1,D6=RAM_BCK
D1,E6=GND
VCC=RAM_BCK,GND=GND
F5= VBB E8,F1= GND
E1= VBB
A4= VPP
MCUAD(21:0)
MEMC(4:0)
MCUDA(7:0)
MCUDA(15:8)
C302
10n
C326
1u0
C327
10n
R305
47k
R306
220k
R300
100k
R301
100R

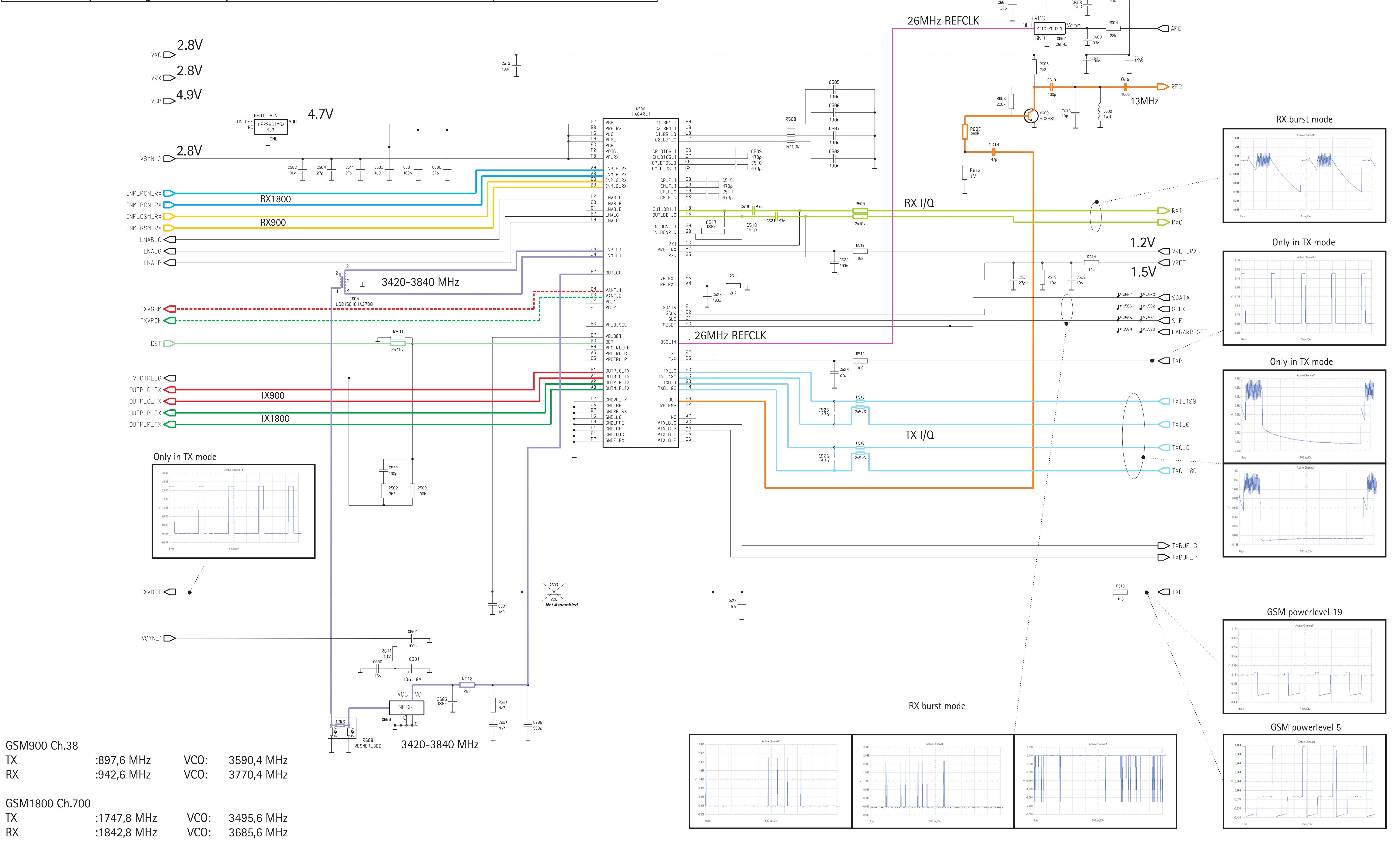


VOL V
SEND
END
VOL Λ
S400
S15
S16
S401
SOFT <
Λ
V
SOFT >
S11
S12
S13
S14
1
4
7
*
S1
S4
S7
S17
2
5
8
0
S2
S5
S8
S10
3
6
9
#
S3
S6
S9
S18
V450
ESDA6V1W5
ROW(4:0)
COL(4:0)
PWRON
R401
10k
V400
1SS355
POWER ON/OFF
S402
E417
E418
VBATTIR
C440
27p
L400
33nH
V440
BAV70W
M400
KHN4NB
L401
33nH
C441
27p
C442
15p
Not Assembled
R440
3R9
V441
BCV27
R444
4k7
VIBRA
E423
E424
B400
V410
BAV70W
C443
27p
V411
BCX19
R410
1k0
BUZZER
E419
E420
E421
E422
VBATTUI
R420
47R
R421
47R
R422
33R
R423
33R
R424
330R
C444
10n
BCX18
V430
BCX18
V431
V432
BC848W
R427
1k2
LIGHT
R425
150R
R426
270R
V433
BAV99W
V420
V421
V422
V423
V424
V425
V426
V427
V428
V429
VBB
E410
C450
100n
C452
1u0
H400
LPH7690-1
J450
J451
J452
J453
VL
SCLK
SDA
LCDCDX
LCDCSX
UGND
VOUT
LCDRSTX
GD45 LCD 96X60
GENSIO(1:0)
LCDCD
LCDEN
LCDRSTX
R430
100k
E411
E412
E413
E414
E415
E416
C451
470n
Acoustic holes
E401
E402
E403
E404
Infrared Cirquit
VIRDA
FBUS(1:0)
FBUS(0)
FBUS(1)
D370
TC7W126FU
8=VBB
4=GND
R370
10k
C370
27p
C373
27p
N371
TFDU4100
IRED Cath
IRED Anode
RxD
TxD
Vcc1
NC
GND
SC
C371
1u0
C372
27p
C375
27p
R371
1k0
C381
27p
R380
5R6
R382
5R6
R381
5R6
R383
5R6
VBATTIR
VBB
C374
10n

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GSM900 Ch.38

TX	:897,6 MHz	VCO:	3590,4 MHz
RX	:942,6 MHz	VCO:	3770,4 MHz

GSM1800 Ch.700

TX	:1747,8 MHz	VCO:	3495,6 MHz
RX	:1842,8 MHz	VCO:	3685,6 MHz

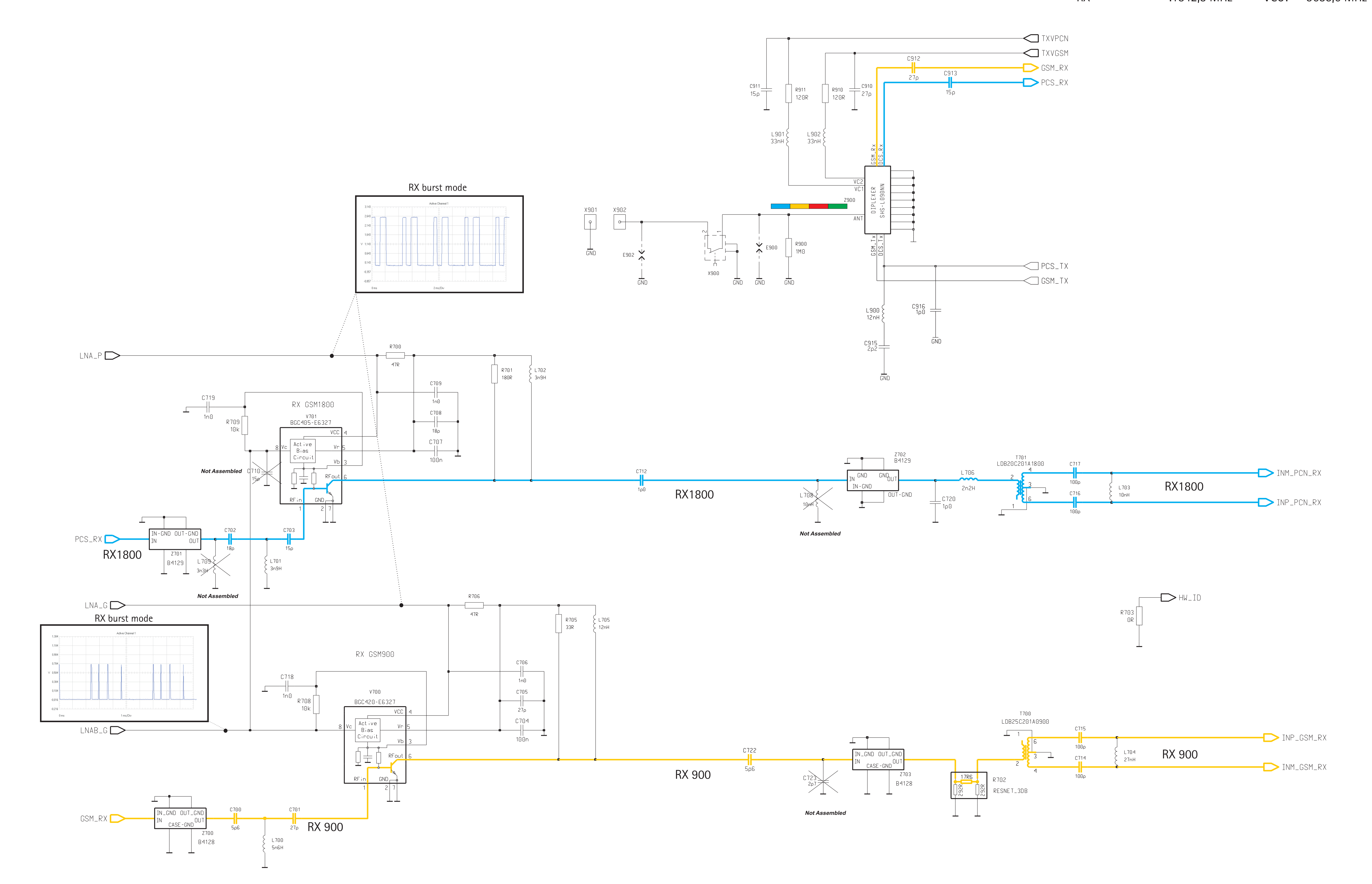
NOKIA	CONFIDENTIAL		8(11)
Customer Care Europe & Africa	RF Schematic Diagram	Version 1.0 Approved	
Technical Services Training Group	NPE-3/ SD 4 V 19		
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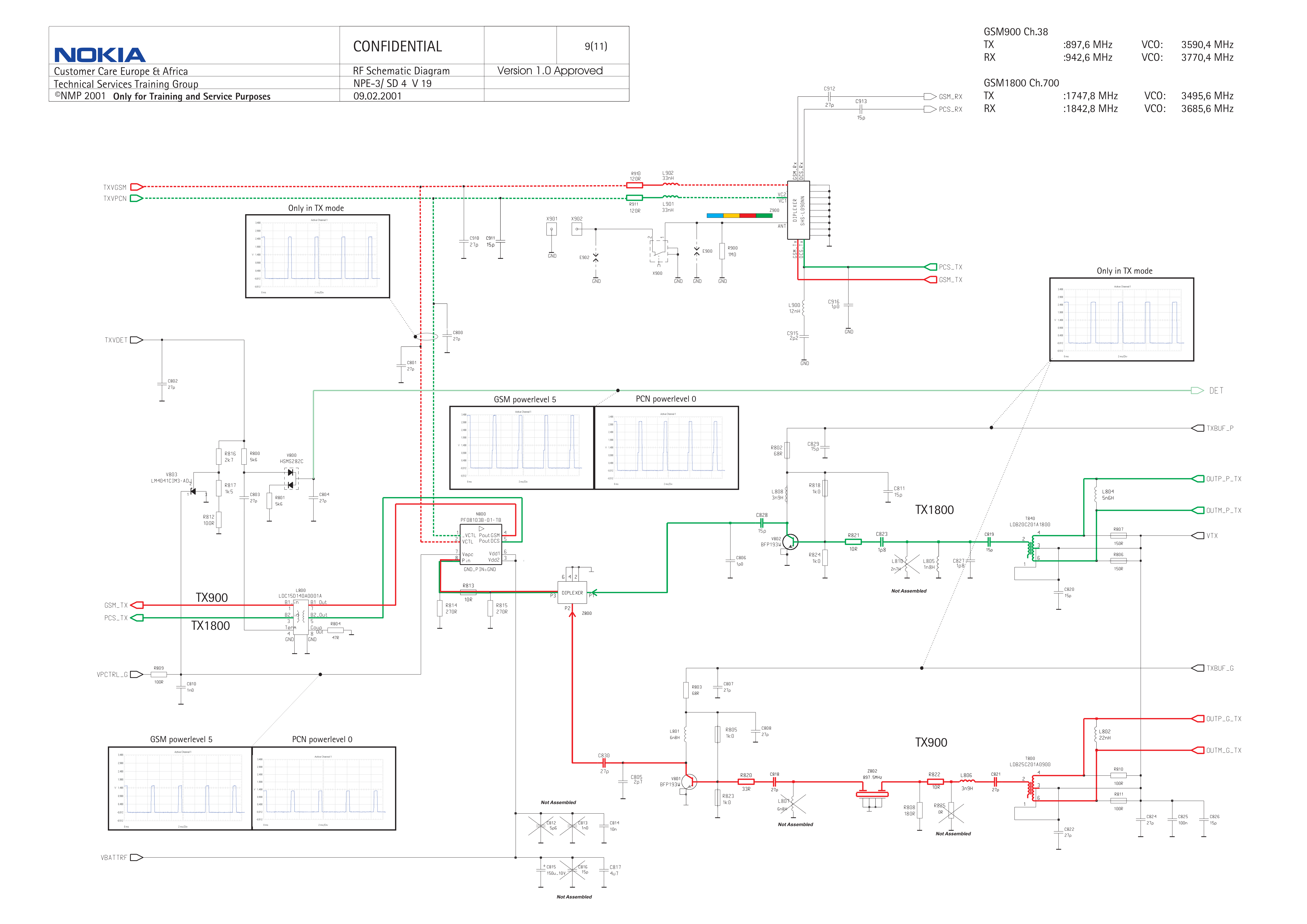


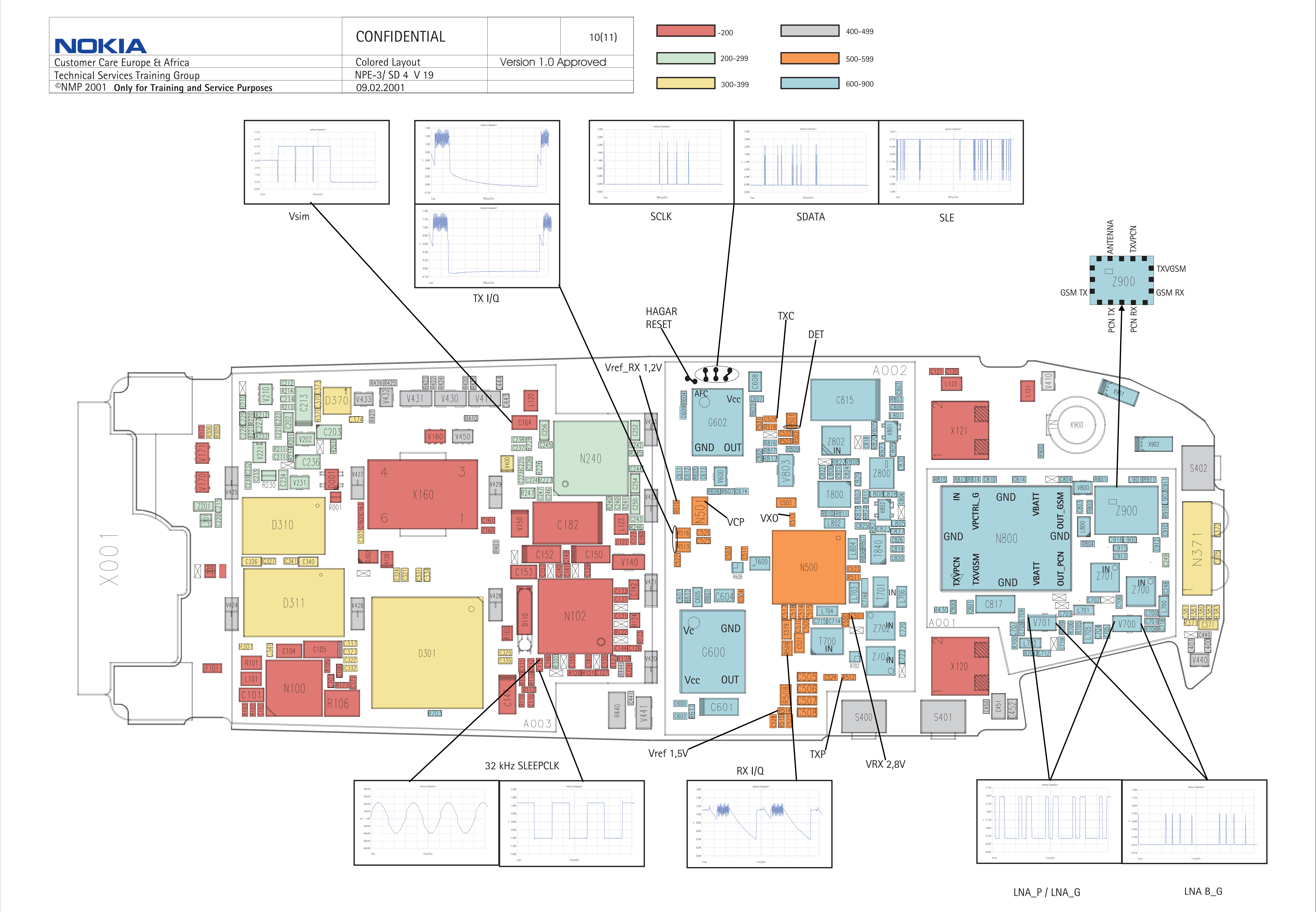
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RX	:942,6 MHz	VCO:	3770,4 MHz

GSM1800 Ch.700

TX	:1747,8 MHz	VCO:	3495,6 MHz
RX	:1842,8 MHz	VCO:	3685,6 MHz




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Technical Services Training Group
NPE-3/ SD 4 V 19
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09.02.2001
-200
200-299
300-399
400-499
500-599
600-900
Vsim
TX I/Q
SCLK
SDATA
SLE
HAGAR
RESET
TXC
DET
Vref_RX 1,2V
VCP
VXO
ANTENNA
TX/PCN
TXVGSM
GSM TX
GSM RX
PCN TX
PCN RX
Z900
A002
A001
A003
X001
N800
N500
G602
G600
Vref 1,5V
TXP
VRX 2,8V
32 kHz SLEEPCLK
RX I/Q
LNA_P / LNA_G
LNA B_G

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Customer Care Europe & Africa	Component finder	Version 1.0 Approved	
Technical Services Training Group	NPE-3	(PCB) Version SD4_23	
© Nokia Mobile Phones	Modified : 16.10.2001		

B
B110 - A3
C
C101 - A2
C102 - A2
C103 - A2
C104 - A2
C105 - A2
C106 - A2
C111 - A3
C110 - A3
C112 - A3
C113 - A3
C120 - B6
C121 - B6
C122 - B4
C123 - B4
C124 - A4
C126 - A4
C127 - A4
C130 - A4
C131 - B4
C133 - B4
C135 - A4
C136 - B4
C137 - B4
C139 - B4
C140 - B3
C141 - B3
C142 - B4
C144 - A4
C146 - A3
C148 - B3
C149 - B3
C150 - B4
C151 - B3
C152 - B3
C153 - B3
C155 - A3
C156 - B3
C157 - B3
C160 - B3
C161 - B3
C162 - B2
C163 - B2
C164 - C3
C171 - A2
C174 - A3
C180 - B4
C181 - A4
C182 - B3
C202 - C2
C203 - C2
C211 - C2
C213 - C2
C214 - C2
C215 - B1
C220 - B1
C221 - C2
C223 - B3
C224 - B3
C225 - C3
C226 - C3
C227 - C2
C228 - C2
C229 - C2
C230 - B2
C231 - B1
C232 - B2
C233 - B2
C234 - B2
C236 - C2
C237 - C3
C238 - C3
C240 - B4
C242 - C4
C243 - B4
C244 - B4
C245 - C3
C246 - B3
C247 - B3
C248 - B7
C249 - B7
C250 - B4
C252 - C4
C254 - B4
C256 - C3
C302 - B2
C321 - B2
C322 - A2
C323 - A2
C324 - B2
C325 - A3
C326 - B2
C327 - B2
C331 - B3
C332 - A2
C333 - A2
C334 - B3
C335 - A3
C340 - B2
C341 - B2
C349 - A2
C370 - C2
C371 - A7
C372 - B7
C373 - C2
C375 - B7
C381 - B7
C440 - A7
C441 - A4
C443 - C3
C450 - A6
C451 - A6
C452 - A6
C500 - A5
C501 - B5
C502 - B5
C503 - B4
C505 - A5
C506 - A5
C507 - A5
C508 - A5
C509 - A5
C510 - A5
C511 - B5
C513 - B5
C514 - B5
C515 - B5
C517 - B5
C518 - B5
C519 - A5
C521 - A5
C522 - B4
C523 - B5
C524 - A5
C525 - B4
C527 - A5
C528 - A5
C529 - C5
C531 - C5
C532 - C5
C534 - B4
C535 - B4
C536 - B4
C537 - B4
C538 - B4
C539 - B4
C600 - A4
C601 - A4
C602 - A4
C603 - B4
C604 - C4
C605 - B4
C607 - C5
C608 - C5
C609 - C4
C611 - B4
C612 - B4
C613 - B4
C700 - B7
C701 - A7
C702 - B7
C703 - B6
C704 - A7
C705 - A7
C706 - B7
C707 - A6
C708 - A6
C709 - B6
C712 - A6
C714 - A5
C715 - A5
C716 - B5
C717 - B5
C718 - A7
C719 - A6
C720 - A5
C722 - A5
C800 - B6
C801 - B6
C802 - C5
C803 - B7
C804 - B6
C805 - C5
C806 - B5
C807 - C5
C808 - C5
C810 - B6
C811 - B5
C814 - B6
C815 - C5
C817 - B6
C818 - C5
C819 - B5
C820 - B5
C821 - B5
C822 - B5
C823 - B5
C825 - B5
C826 - B5
C827 - B5
C828 - B5
C829 - B5
C830 - C5
C910 - B7
C911 - B7
C912 - B7
C913 - B7
C915 - B7
C916 - B7
D
D001 - B2
D302 - B2
D311 - B2
D310 - B2
D370 - C2
F
F101 - A1
G
G600 - A4
G602 - C4
L
L101 - A2
L120 - C3
L121 - B6
L122 - B6
L123 - B4
L200 - B1
L201 - B1
L400 - A7
L700 - B7
L701 - B7
L702 - A6
L703 - B5
L704 - B5
L705 - A7
L706 - B5
L800 - B7
L801 - C5
L802 - B5
L804 - B5
L805 - B5
L806 - B5
L808 - B5
L900 - B7
L901 - B7
L902 - B7
N
N102 - B4
N240 - C4
N500 - B5
N501 - B4
N731 - B7
N800 - B6
R
R001 - B2
R101 - A2
R102 - A2
R103 - A2
R105 - A2
R106 - A2
R110 - A3
R111 - A3
R112 - A3
R113 - A3
R121 - A4
R122 - A4
R123 - A4
R124 - A4
R127 - A4
R128 - A4
R160 - A3
R171 - A2
R172 - C1
R201 - C2
R203 - C2
R210 - C2
R211 - C2
R212 - C2
R213 - C2
R214 - C2
R220 - C2
R221 - C2
R222 - C2
R226 - C3
R227 - B3
R228 - C3
R230 - B2
R233 - C2
R234 - C2
R240 - B4
R241 - B4
R245 - C4
R247 - B3
R300 - A3
R301 - A2
R305 - C1
R306 - C1
R370 - C2
R371 - A7
R373 - C2
R380 - B7
R381 - B7
R382 - B7
R383 - B7
R401 - B3
R410 - C3
R420 - C3
R421 - C3
R422 - C3
R423 - C3
R424 - C3
R425 - C2
R426 - C2
R427 - C2
R430 - B6
R440 - A4
R444 - A4
R501 - C5
R502 - C5
R503 - C5
R508 - A5
R509 - A5
R510 - B4
R511 - B5
R512 - A5
R513 - B4
R514 - A5
R515 - A5
R513 - B4
R518 - C5
R601 - B4
R604 - C4
R605 - B4
R606 - B4
R607 - B4
R608 - A4
R611 - A4
R612 - B4
R614 - B4
R700 - A6
R701 - A6
R702 - A5
R703 - A3
R705 - A7
R706 - A6
R708 - A7
R709 - A6
R800 - B7
R801 - B7
R803 - C5
R804 - B7
R805 - C5
R806 - B5
R807 - B5
R808 - C5
R809 - C5
R810 - B5
R811 - C5
R812 - C5
R813 - B6
R814 - B6
R815 - B6
R816 - C5
R817 - C5
R818 - B5
R820 - C5
R821 - B5
R822 - C5
R823 - C5
R824 - B5
R900 - C6
R910 - B7
R911 - B7
S
S400 - A5
S401 - A6
S402 - B7
T
T600 - A5
T700 - A5
T701 - B5
T800 - B5
T840 - B5
V
V120 - B2
V140 - B4
V150 - B3
V160 - C3
V170 - B1
V171 - C1
V202 - C2
V210 - C2
V221 - C2
V231 - B2
V400 - C3
V410 - B6
V411 - C3
V420 - A4
V421 - B4
V422 - B4
V423 - C4
V424 - B1
V425 - B1
V426 - B2
V427 - B2
V428 - B3
V429 - B3
V430 - C3
V431 - C3
V433 - C2
V440 - A7
V441 - A4
V450 - C3
V440 - A7
V441 - A4
V450 - C3
V600 - B4
V700 - A7
V701 - A6
V800 - B7
V801 - C5
V802 - B5
V803 - B5
X
X001 - B1
X160 - B3
X120 - A6
X121 - C6
X900 - B6
X901 - C7
X902 - C7
Z
Z201 - B1
Z700 - B7
Z701 - B7
Z702 - A5
Z703 - A5
Z704 - B7
Z705 - A5
Z706 - B7
Z707 - A5
Z800 - B5
Z802 - C5

